

**ALIGNMENT OF MULTICOMPONENT MICROFABRICATED STRUCTURES****ABSTRACT**

Microfluidic devices are fabricated by fabricating structures that are used to align elements that are to be attached to the devices or tools that are to be used in further fabrication steps on those devices. Elements to be attached include additional substrate layers, external sampling elements, e.g. capillaries, and the like. Preferred alignment structures include wells over which reservoirs are positioned, notches for use with alignment keys to align substrate layers or for receiving additional structural elements, and targets or guide holes for receiving tooling in further fabrication steps.